

**Amendments to the Claims:**

This listing of claims will replace all prior versions of the claims in the present application:

**Listing of Claims:**

Claims 1 - 7 (Cancelled)

8. (Original) A method for leading macromolecule substances into living target cells, comprising:

picking up three-dimensional (3D) structure images of a tissue or organ where the target cells locate;

picking up 3D blood vessel photographic images of the tissue or organ where the target cells locate;

merging the 3D structure images into the 3D blood vessel photographic images, choosing a blood vessel passage fully covering the target cells for transmitting the macromolecule substances;

injecting synthetic blood by using a pipe along the chosen blood vessel passage, energy being exerted for forming non-permanent holes in cell membranes of the target cells; and

injecting the macromolecule substances into the target cells through the non-permanent holes in cell membranes along the chosen blood vessel passage

9. (Original) The method as claimed in claim 8, wherein the energy exerted for forming non-permanent holes in cell membranes of the target cells is ultrasonic wave having an intensity of at least 1 Mpa.

10. (Original) The method as claimed in claim 8, wherein the macromolecule substances is injected into the target cells by using a pipe.

11. (Original) The method as claimed in claim 9, wherein the step of the macromolecule substances being injected around the target cells by using a pipe is performed before the forming of the non-permanent holes in cell membranes of the target cells.

Claims 12 - 29 (Cancelled)